NIVAL TYPHOON Report





1970



FLEET WEATHER CENTRAL/JOINT TYPHOON WARNING CENTER
Guam, Mariana Islands



U. S. FLEET WEATHER CENTRAL JOINT TYPHOON WARNING CENTER

COMNAVMARIANAS BOX 12 FPO SAN FRANCISCO 96630

RICHARD C. SLUSSER Captain, United States Navy

COMMANDING

JOHN J. R. KINNEY
Lieutenant Colonel, United States Air Force
DIRECTOR, JOINT TYPHOON WARNING CENTER

STAFF

LCDR Jerry D. Jarrell, USN
CAPT David F. Solem, USAF
CAPT Charles D. Ables, USAF
1LT Charles R. Holliday, USAF
LTJG Richard A. Wagoner, USNR
ENS Richard H. Johnson, USNR
TSGT William W. Harra, USAF
AG1 Donald G. Stetler, USN
SSGT Travers D. Hanna III, USAF
SGT James R. Stevens, USAF
SGT Charles C. Johnson, USAF
AGAN David P. Bougher, USN
AGAN David L. Balint, USN
Miss Ann N. Smoot

CONTRIBUTOR

1LT Brian E. Heckman, USAF, 54 WRS

1970 ANNUAL TYPHOON REPORT

FOREWORD

This report is published annually and summarizes Western North Pacific Tropical Cyclones. Annex A summarizes tropical cyclones from 180 degrees eastward to the North American Coast.

When directed by CINCPAC in May 1959, CINCPACFLT redesignated Fleet Weather Central Guam as Fleet Weather Central/Joint Typhoon Warning Center (FWC/JTWC), Guam with the following responsibilities:

- 1. To provide warnings to U. S. Government agencies for all tropical cyclones north of the equator and west of 180 degrees longitude to the coast of Asia and Malay Peninsula.
- 2. To determine tropical cyclone reconnaissance requirements and assign priorities.
- 3. To conduct investigative and post-analysis programs including preparation of the Annual Typhoon Report.
- 4. To conduct tropical cyclone forecasting and detection research as practicable.

Air Force Asian Weather Central at Fuchu, coordinating with U. S. Navy Fleet Weather Facility Yokosuka, was designated as alternate JTWC in case of failure of FWC/JTWC Guam.

The JTWC is an integral part of FWC/JTWC Guam and is authorized to be manned by three Air Force and three Navy officers and five enlisted mean from each service. The senior Air Force officer is designated as Director, JTWC.

The Western Pacific Tropical Cyclone Warning System consists of the Joint Typhoon Warning Center, the U. S. Air Force 54th Weather Reconnaissance Squadron stationed at Andersen Air Force Base, Guam and U. S. Navy Airborne Early Warning Squadron ONE stationed at Naval Air Station, Agana, Guam.

The Central Pacific Hurricane Center (CPHC), Honolulu is responsible for the area from 180° eastward to 140°W and north of the equator. Warnings are issued in coordination with the FLEWEACEN Pearl Harbor and the Air Force Central Pacific Forecast Center, Hickam Air Force Base, Hawaii.

The Eastern Pacific Hurricane Center (EPHC), San Francisco is responsible for the area east of 140°N and north of the equator. Warnings are issued in coordination with the FLEWEACEN Alameda and the Air Force Hurricane Liaison Officer, McClellan Air Force Base, California.

The coordinating agencies under CINCPACFLT and CINCPACAF are responsible for further dissemination and, if necessary, local modification of tropical cyclone warnings to U. S. military agencies.

TABLE OF CONTENTS

Chapter		Operational Procedures	pag	е
	B. C. D.	Tropical Weather Summary Tropical Cyclone Formation Alert	1- 1- 1- 1- 1-	1566677
Chapter	A. B. C. D. E. F.	Reconnaissance General	2- 2- 2- 2- 2-	1 2 4 6
Chapter	A. B. C. D. E. F. H.	Accuracies	3- 3-1 3-1 3-2 3-3 3-3 3-3	6 3 6 2 3 0 5 2
Chapter	A. B. C. D. E. F.	Tabular Summary Composite Track Charts General Summary Tropical Storm and Depression Position Data - Forecast Verification Summary Confidence Forecasting	4- 4-1 4-2 4-2	2 5 9 6 2 4

Chapter	5 Individual Typhoons of 1970	page
	A. Typhoon NANCY B. Typhoon OLGA C. Typhoon WILDA D. Typhoon ANITA E. Typhoon BILLIE F. Typhoon CLARA G. Typhoon GEORGIA H. Typhoon HOPE I. Typhoon IRIS J. Typhoon JOAN K. Typhoon KATE L. Typhoon PATSY M. References	5-43 5-51 5-59 5-67 5-73 5-83
Annex	Summary of Tropical Cyclones in the Eastern North Pacific Composite Track Charts for 1970 Eastern and Central Pacific Tropical Cyclones	N- 1 N- 4 N- 7 N- 8 N-12 N-13 N-17 N-21 N-25 N-25 N-26
Appendix	Abbreviations, Definitions, and Distribution 1. Abbreviations Al 2. Definitions Al 3. Distribution Al	P- 1